

Image



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the application of:

Attorney Docket No.: 2806.01US06

Laumeyer et al.

Confirmation No.: 7209

Application No.: 10/634,630

Examiner: Not Assigned

Filed: August 5, 2003

Group Art Unit: 2625

For: METHOD AND APPARATUS FOR IDENTIFYING OBJECTS DEPICTED IN A
VIDEOSTREAM

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
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Sir:

Pursuant to 37 C.F.R. § 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This information is being filed before the mailing date of a first Office Action on the merits. No certification or fee is required.

Copies of the references were cited by or submitted to the Office in Patent Application No. 09/177,836, filed October 23, 1998, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these references are not attached. 37 C.F.R. § 1.98(d).

Application No. 10/634,630

Respectfully submitted,



Brad Pedersen
Registration No. 32,432

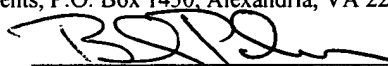
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Brad Pedersen



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(Use as many sheets as necessary)

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Application Number	10/634,630
Filing Date	August 5, 2003
First Named Inventor	Laumeyer et al.
Art Unit	2625
Examiner Name	Not Assigned

Sheet	1	of	4	Attorney Docket Number	2806.01US06
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EXAMINER INITIAL*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number-Kind Code ² (if known)		
		US-5,392,365	02-1995	Steinkirchner
		US-5,448,484	09-1995	Bullock et al.
		US-5,465,115	11-1995	Conrad et al.
		US-5,465,308	11-1995	Hutcheson et al.
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		US-5,699,444	12-1997	Palm
		US-5,740,274	04-1998	Ono et al.
		US-5,790,691	08-1998	Narayanswamy et al.
		US-5,844,699	12-1998	Usami et al.
		US-5,864,630	01-1999	Cosatto et al.
		US-5,974,521	10-1999	Akerib
		US-5,991,085	11-1999	Rallison
		US-6,064,768	05-2000	Hajj et al.
		US-6,141,433	10-2000	Moed et al.
		US-		
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T ⁶
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NON PATENT LITERATURE DOCUMENTS

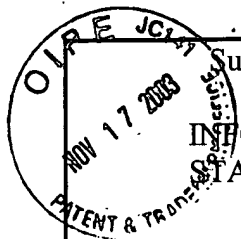
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		<i>Landmark Recognition using Projection Learning for Mobile Robot Navigation</i> , Ren C. Luo, Harsh Potlapalli, Center for Robotics and Intelligent Machines, IEEE World Congress on Computational Intelligence, Vol. IV, pgs. 2703-2708, June 1994.	
		<i>A Real-Time Traffic Sign Recognition System</i> , S. Estable, J. Schick, F. Stein, R. Janssen, R. Ott, W. Ritter, Y.-J. Zheng, Daimler-Benz Research Center, Proceedings of the Intelligent Vehicles '94 Symposium, Paris, France, pgs. 213-218, October 1994.	
		<i>Recognition of Traffic Signs by Artificial Neural Network</i> , D. Ghica, S. Lu, X. Yuan, Dept. of Computer Science Memorial University of Newfoundland, IEEE, pgs. 1444-1449, March 1995.	
		<i>Realtime Traffic Sign Recognition (TSR)</i> , Jens Logemann, Ed., Univeritat Koblenz - Landau, 3 pgs., November 1997.	
		<i>Registering Multiple Cartographic Models with the Hierarchical Mixture of Experts Algorithm</i> , Simon Moss and Edwin R. Hancock, Dept. of Computer Science, University of New York, IEEE, pgs. 909-914, 1997.	
		<i>Multi-Modal Tracking of Faces for Video Communications</i> , James L. Crowley and Francois Berard, GRAVIR - IMAG, I.N.P. Grenoble, Grenoble, France, IEEE, pgs. 640-645, 1997.	
		<i>Road Traffic Sign Detection and Classification</i> , A. Escalera, L. Moreno, M. Salichs, J. Armingol, IEEE Transactions on Industrial Electronics, Vol. 44, No. 6, pgs. 848-859, December 1997.	
		<i>Dominant Color Transform and Circular Pattern Vector for Traffic Sign Detection and Recognition</i> , Jung Hak and Tae Young Choi, IEICE Transaction Fundamentals, Vol. E81-A, No. 6, pgs. 1128-1135, June 1998.	
		<i>A Trainable Pedestrian Detection System</i> , C. Papageorgiou, T. Evgenious, T. Poggio, Center for Biological And Computational Learning and Artificial Intelligence Laboratory, MIT, IEEE International Conference on Intelligent Vehicles, pgs. 241-246, 1998.	

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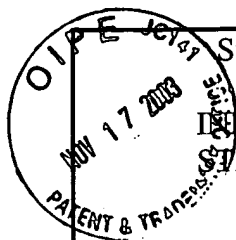
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		<i>Robust Lane Recognition Embedded in a Real-Time Driver Assistance System</i> , R. Risack, P. Klausmann, W. Krüger, W. Enkelmann, Fraunhofer-Institut für Informations, Karlsruhe, Germany, IEEE International Conference on Intelligent Vehicles, pgs. 35-40, 1998.	
		<i>A Texture-based Object Detection and an Adaptive Model-based Classification</i> , T. Kalinke, C. Tzomakas, W. Seelen, Institut für Neuroinformatik, Bochum, Germany, IEEE International Conference on Intelligent Vehicles, pgs. 143-148, 1998.	
		Internet Printout: <i>The Road Sign Recognition System - RS²</i> , Faculty of Transportation Sciences, Prague, Czech Republic, 7 pgs., c. approximately 1999.	
		Internet Printout: <i>The Chamfer System</i> , 4 pgs., c. approximately 1999.	
		<i>Real-Time Object Recognition: Hierarchical Image Matching in a Parallel Virtual Machine Environment</i> , J. You, P. Bhattacharya, S. Hungenahally, School of Computing and Information Technology, Griffith University, Brisbane, Australia, Dept. of Computer Engineering, University of Nebraska, Lincoln, Nebraska, 3 pgs., undated.	
		<i>An Architecture of Object Recognition System for Various Images Based on Multi-Agent</i> , Keiji Yanai, Koichiro Deguchi, Dept. of Computer Science, University of Electro-Communications, Tokyo, Japan, and Dept. of Mathematical Engineering and Information Physics, University of Tokyo, Tokyo, Japan, 4 pgs., undated.	
		<i>Multi-Feature Matching Algorithm for Free-Form 3D Surface Registration</i> , C. Schütz, T. Jost, H. Hügli, Institute for Microtechnology, Neuchatel, Switzerland, 3 pgs., undated.	
		<i>Representation of Uncertainty in Spatial Target Tracking</i> , Tim Baker, Malcolm Strens, DERA Farnborough, United Kingdom, 4 pgs., undated.	

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		<i>Using Centroid Covariance in Target Recognition</i> , Gang Liu and Robert M. Haralick, Dept. of Electrical Engineering, University of Washington, Seattle, Washington, 4 pgs., undated.	
		<i>Using Spatial Sorting and Ranking in Model Based Object Recognition</i> , G. Hjaltason, M. Ray, H. Samet, I. Weiss, Computer Science Dept. University of Maryland, College Park, Maryland, 3 pgs., undated.	
		<i>Surveillance Systems for Terrestrial Transport Safety and Improved User Information Capability</i> , C. Nwagboso, C. Regazzoni, M. Renard, E. Stringa, Bolton Institute, Bolton, United Kingdom, Dept. of Biophysical & Electronic Engineering, Genova, Italy, Vigitec, Brussels, Belgium, pgs. 1-7, undated.	
		<i>Illumination Invariant Image Indexing Using Moments and Wavelets</i> , Mandal, Journal of Electronic Imaging, Vol. 7 (2), pp. 282-293, April 1998.	
		<i>Feature Integration and Relevancy Feedback Analysis in Image Similarity Evaluation</i> , Celentano, Journal of Electronic Imaging, Vol 7 (2), pp. 308-317, April 1998.	
		<i>Auto-associative Segmentation for Real-Time Object Recognition in Realistic Outdoor Images</i> , Leonardo Estevez and Nasser Kehtarnavaz, Dept. of Electrical Engineering, Texas A&M University, Journal of Electronic Imaging, Vol. 72, pgs. 378-385, April 1998.	

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